CA - PMM

Project Name: Online Product Ingredient Network

OCIO Project #:
Department: Toxic Substances Control
Revision Date: 10/5/10

Concept Statement

Description

Brief description of the proposed project:

Per AB 1879, DTSC is tasked with creating an online product ingredient network to expand the knowledge base on the chemical formulation of products.

Need Statement

High Level Functional Requirements:

1. Provide access to a list of diverse consumer products that are used in California and the chemicals that found in those products using the following sources
a. Lists of chemicals of concern/chemicals in products generated from other states, countries, and/or other federal and California resources (e.g., NIH-NLM, Prop 65)
b. Provide access to lists/data of chemicals found in water, soil, and air samples (preferably from California samples)
c. Provide access to lists/data of chemicals found in biomonitoring studies (wildlife and human)
d. Provide access to lists of chemicals provided on major manufacturers websites
e. Provide access to lists and sources of data for chemicals of concern/chemicals in products that have been generated from NGOs will also be considered
2. Establish agreements with other agencies that have existing lists or data
3. Provide access to toxicity, physical, and chemical properties of these chemicals
4. Develop a searchable, web-based information portal cataloging product information to consumers and other stakeholders (to be defined) that is easy to maintain

What is Driving This Need?

The Green Chemistry Initiative was developed by the State of California to foster a collaborative effort among manufacturers, consumers, and regulatory agencies with the ultimate goal of reducing risk to public health and environment.

Risk to the Organization if This Work is Not Done:

Unsafe/hazardous chemicals in products continue to impact public health and the environment.

Project Name: Online Product Ingredient Network

OCIO Project #:

Department: Toxic Substances Control

Revision Date: 10/5/10

Concept Statement

Project Name: Online Product Ingredient Network

OCIO Project #:

Department: Toxic Substances Control

Revision Date: 10/5/10

Concept Statement

Benefit Statement

Intangible Benefits

Process Improvements (describe the nature of the process improvement):

Other Intangible Benefits:

Tangible Benefits

Revenue Generation (describe how revenue will be generated):

Cost Savings (describe how cost will be reduced):

Project Name: Online Product Ingredient Network

OCIO Project #:

Department: Toxic Substances Control

Revision Date: 10/5/10

Concept Statement

Cost Avoidance (describe the cost and how avoided):

Risk Avoidance (describe the risk and how avoided):

Improved Services:

Consistency

"No" Responses →		Rationale	Action Required
Enterprise Architecture	Yes		
Business Plan	Yes		
Strategic Plan	Yes		

Impact to Other Entities

Nature of Impact to Other Entities

Entity:

Describe the nature of the impact:

Project Name: Online Product Ingredient Network

OCIO Project #:

Department: Toxic Substances Control

Revision Date: 10/5/10

Concept Statement

Entity:
Describe the nature of the impact:

Entity:
Describe the nature of the impact:

Entity:
Describe the nature of the impact:

Project Name: Online Product Ingredient Network

OCIO Project #:

Department: Toxic Substances Control

Revision Date: 10/5/10

Concept Statement

Solution Alternatives

Alternative 1:
In house development (state resources)

Technical Considerations for Alternative 1:				
Online product ingredient network must be able to interface with the Toxics Information Clearinghouse as it will need to reference chemical toxicity information to link it to consumer products.				
ROM Cost:	$350,000	to	$1,000,000	**Note: high end of range must not exceed 200% of low end of range**

Alternative 2:
Contracted Systems Development/Integration

Technical Considerations for Alternative 2:				
Online product ingredient network must be able to interface with the Toxics Information Clearinghouse as it will need to reference chemical toxicity information to link it to consumer products. The development platform must be one that existing DTSC programmers can support; otherwise, technical training must be provided.				
ROM Cost:	$750,000	to	$2,000,000	**Note: high end of range must not exceed 200% of low end of range**

Alternative 3:
Enhance or license an existing system if one is found to already be providing the desired "online product ingredient network" functionality via public/private

Project Name: Online Product Ingredient Network

OCIO Project #:

Department: Toxic Substances Control

Revision Date: 10/5/10

Concept Statement

partnership or public/public partnership.

Technical Considerations for Alternative 3:				
The development platform that the language must be factored in as DTSC programmer resources will likely be providing ongoing support.				
ROM Cost:	$2,000,000	to	$5,000,000	**Note: high end of range must not exceed 200% of low end of range**

Recommendation

Comparison:

Alternative 1	ROM Cost			Risk
In-house development (state resources)	$350,000	-	$1,000,000	*Maintenance and operations resource needs are underestimated.*
Alternative 2	**ROM Cost**			**Risk**
Contracted systems dev/integration	$750,000	-	$2,000,000	*Application may be "overbuilt", containing more complexity than is actually called for; maintenance and operations needs are underesimated.*
Alternative 3	**ROM Cost**			**Risk**
Enhance/license existing system	$2,000,000	-	$5,000,000	*Development platform cannot be supported by DTSC staff.*

Conclusions:

1	Use of in-house development resources provides the best value to the State of California; the skills to develop such a system are known to exist within the Department
2	
3	
4	

Project Name: Online Product Ingredient Network

OCIO Project #:
Department: Toxic Substances Control
Revision Date: 10/5/10

Concept Statement

Recommendation:

Create an online product ingredient network using in-house development resources.

Project Approach *(if known)*

System Complexity:				System Business Hours: *(e.g., 24x7, 9am-5pm) :*	
Architecture	☐ Mainframe	☐ Client Server	☑ Web Based	Num. of New Databases:	1
Technology	☐ New	☐ New to Staff	☑ In-House Experience	Interfaces:	Internal
Implementation	☑ Central Site	☐ Phased Roll-out		Num. of Sites:	
M & O Support	☐ Contractor	☐ Data Center	☐ Project	☑ In House	

Procurement Approach:	Number of Procurements:
None	0

Open Procurement?	Delegated Procurement?

Scope of Contract	☐ Development	☐ Implementation	☐ M & O	☐ Other:

Anticipated Length of Contract: Years / extensions for years